

Recovery Plan Action Status

Plan Name: Recovery Plan for the Endangered and Threatened Species of the California Channel Islands

Plan Status: Final

Plan Date: 26-Jan-84

Lead Agency: USFWS

Lead Office: Carlsbad Fish And Wildlife Office

(760)

431-9440)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Island night lizard (Xantusia riversiana), San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente loggerhead shrike (Lanius ludovicianus mearnsi), San Clemente sage sparrow (Amphispiza belli clementeae), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	1	111	Remove feral animals from SCI	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, Naval Base Coronado	Management: Predator and Competitor Control	Contract	Feral goats and pigs entirely removed from SCI in 1992 but feral cat and rat populations are subject to continuing management. This work is likely to be necessary into the future because the potential for eradication is low due to topography and operational constraints.

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	2	12	Conduct soil survey on SCI in progress	Complete	Prior to FY 1995	Prior to FY 1995	Naval Base Coronado	Research: Other Information	Contract	Kim O'Connor (Navy): final report never issued but no plans to update interim report

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	2	141	Collect, propagate, and maintain native plants	Ongoing Current	FY 2000 - FY 2004		Channel Islands National Park, Pacific Missile Test Center, Point Mugu, Naval Base Coronado	Management: Propagation	Contract	

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	1	33	Fence and post vulnerable colonies of E/T plants	Not Started			Naval Base Coronado	Work type not yet selected	Labor type not yet selected	Service has recommended marking sensitive plant occurrences, however Navy has been unwilling to implement this action because they feel it would affect training.

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	1	412	Determine soil characteristics for each plant species	Ongoing Current	Prior to FY 1995		Naval Base Coronado	Research: Habitat Requirements	Contract	Completed

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	1	414	Develop accurate maps of plant communities	Ongoing Not Current	FY 2000 - FY 2004		Naval Base Coronado	Management: Planning	Contract	Updated map is in progress, but not complete.

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	1	416	Examine reproductive biology and cultivation requirements	Ongoing Current	FY 1995 - FY 1999		Naval Air Station, North Island	Research: Management Techniques	Contract	Germination trials have been performed or initiated for Delphinium, Castilleja, Malacothamnus and Lithophragma. Genetic studies and pollinator observations have also been performed for some of these species.

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	2	511	Establish weather stations at SCI to monitor plant pops.	Ongoing Current	FY 1995 - FY 1999		Naval Base Coronado	Research: Other Information	Internal Field Assistance	

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	2	5131	Record photographic recovery sites	Ongoing Not Current	Prior to FY 1995		Naval Base Coronado	Management: Other	Internal Field Assistance	

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San Clemente Island indian paintbrush (Castilleja grisea), San Clemente Island woodland-star (Lithophragma maximum), San Clemente Island broom (Lotus dendroideus ssp. traskiae), San Clemente Island bush-mallow (Malacothamnus clementinus), San Clemente Island larkspur (Delphinium variegatum ssp. kinkiense)	2	5133	Monitor abundance and distribution of certain recovery indicator species on SCI	Ongoing Current	Prior to FY 1995		Naval Air Station, North Island	Research: General	Contract	Indicator species are being included in INRMP.

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